ALL DEMOLITION DEBRIS (IF ANY) SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDINGS, ACCESSORIES, AND RETAINING WALLS) ALL SODDED SLOPES OVER 4 TO 1, SHALL BE INSTALLED WITH SOD PEGS.
OWNER'S RESPONSIBILITY IS TO INSPECT AND MAINTAIN THE WATER RETENTION SYSTEM ON A REGI
IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE.
ACTIVITIES ANY EVIDENCE OF HISTORIC RESC POTTERY, PREHISTORIC STONE TOOLS, BONE JNDATION, ARE DISCOVERED, WORK SHALL CO HISTORIC RESOURCES (STATE HISTORIC PRES TWO WORKING DAYS OF THE RESOURCES FO
on-site Burning is not proposed Water Truck/Spray will be used for fugitive dust control
SPECIAL NOTES:
 ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. REQUIRE SEPARATE BUILDING PERMITS. EXISTING FIRE HYDRANT ASSEMBLY SHALL BE FLOW TESTED AND COLOR CODED BASED ON FLOW RESULTS. EXISTING FIRE HYDRANT SHALL BE INSTALLED AND IN SERVICE PRIOR TO ACCUMULATION OF COMBUSTIBLES.
. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS SUBSEQUENT BUILDING PERMITS SHALI WITH ALL REZONING/MPUD/PUD CONDITIONS.
 8. ALL CLEAR-SIGHT AREAS SHALL BE KEPT FREE OF ANY SIGNAGE, PLANTINGS, TREES, ETC. IN EXCESS OF THREE AND A HALF (3-1/2) FEET IN HEIGHT. 9. NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY COUNTY OR STATE RIGHT-OF-WAY WITHOUT
LEDGED THAT THIS APPROVAL DOES NOT INCLUDE ANY VORK SHALL BE A FUNCTION OF APPROVED PASCO COU
6. ALL ON-SITE PARKING SPACES WILL BE STRIPED AND SIGNED IN A ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION AND THE FLORIDA DEPT. OF TRANSPORTATION STANDARDS. PARKING SPACES DIRECTIONAL ARROWS, AND STOP BARS SHALL BE STRIPED IN WHITE, IT SHALL BE THE OWNER/DEVELOPERS RESPONSIBILITY TO PROPERLY SIGN AND STRIPE THE SITE IN ACCORDANCE WITH APPLICABLE STANDARDS. REFER TO STATUE 316.0745. ADDITIONALLY, ALL HANDICAP PARKING SPACES SHALL BE SIGNED AND MARKED IN ACCORDANCE WITH ADA REQUIREMENTS
5. THE ARCHITECT/ENGINEER CERTIFIES THAT THE SITE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICANS DISABILITIES ACT.
4. HANDICAP PARKING SPACES WILL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH THE FLORIDA DEPT. OF TRANSPORTATION STANDARDS.
3. ALL PROPOSED SIGNS MUST BE APPLIED FOR, APPROVED, AND PERMITTED ON AN INDIVIDUAL BASIS APART FROM ANY ULTIMATELY-APPROVED SITE PLAN, APPROVAL OF THIS SITE PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SIGNAGE.
2. INSTALLATION OF FUEL STORAGE TANKS REQUIRES REVIEW AND APPROVAL BY THE FIRE MARSHALL AND THE ISSUANCE OF A SEPARATE BUILDING PERMIT. APPROVAL OF THE SITE PLAN DOES NOT CONSTITUTE APPROVAL OF THE LOCATION OF THE FUEL TANKS.
PASCO COUNTY DEVELOPMENT REVIEW - STANDARD SITE PLAN NOTES: 1. ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE OWNED AND MAINTAINED BY THE OWNER-DEVELOPER.
INDEX OF DRAWINGS
SHEETDESCRIPTIONC-1COVER SHEETC-2GENERAL NOTESC-3SITE/UTILITY PLANC-4GRADING PLANC-5LANDSCAPE PLANC-6SIGNAGE AND MARKING PLANC-7TYPICAL DETAILSC-9SURVEYC-10PHASE PLAN

SEPTEMBER 2010

PO BOX NO. 1787 LUTZ, FL 33548-1787 (813) 406-5685 PHONE (813) 482-9128 FAX WWW.TAMPACIVIL.COM

TAMPA CIVIL DESIGN

PREPARED BY

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LOT 51, WEST PASCO INDUSTRIAL PARK-PHASE II-UNIT 2, ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK 33, PAGES 65-67, PUBLIC RECORDS OF PASCO COUNTY, FLORIDA.

SIMULTANEOUS SUBMITTAL CLASS

LIGHTNING SPECIALIST INC.

LOT 51 PROSPEROUS DRIVE ODESSA, FL 33556

STR 29/26S/17E

29-26-17-0020-00000-0510

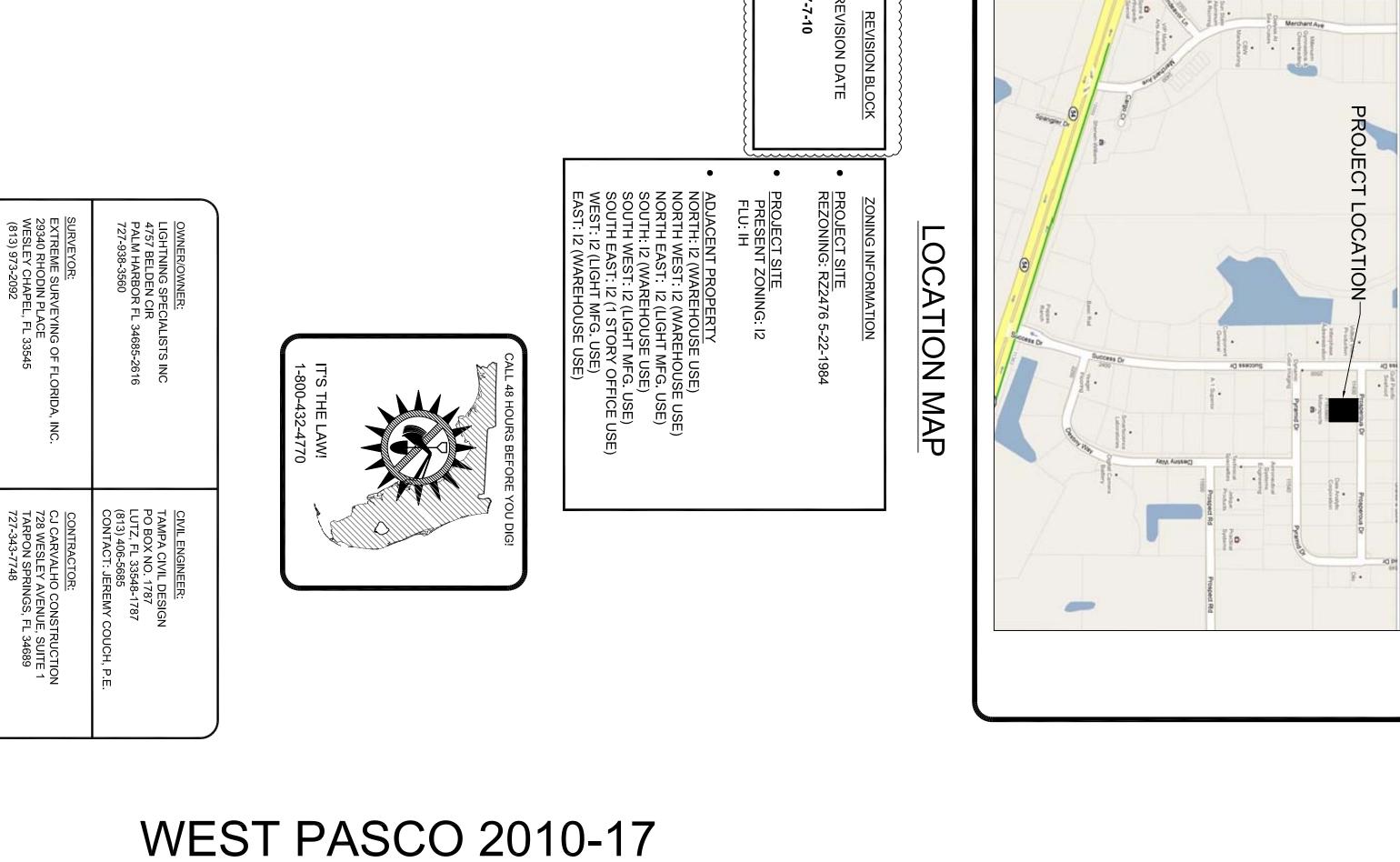
PROPOSED BUILDING FOR

PARCEL ID #

LIGHTNING SPECIALIST INC. 4757 BELDEN CIR PALM HARBOR FL 34685-2616

PREPARED FOR:

LEGAL DESCRIPTION



	 18. EROSION / SEDIMENTATION CONTROL CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SIT1 ATTON CURRAN) TO REEVENT BUT ATTERNAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MUCH OR OTHER SUITABLE MATERIA (A) DEAT THE SITE. FL, IN THE OPINION OF THE EVANETICS IN TABLE AND/OR ADTHORITES. 19. NO STOCKPILING OF MATERIAL IN ROADWAY OR SIDEWALK: ALL DIRT AND DERSI WILL BE REMOVED FORM TO THE SATISFACTION OF THE EVANETICA AND/OR AUTHORITIES. 20. ANY PORTION OF ROADWAY THAT SUSTAINS EXCESSIVE CONSTRUCTION RELATED DAMAGE. IN THE OPINION OF THE EVANETIC BE REMOVED AT CONTRACTOR EXPENSIVE IN AMMANE SPECIFIED BY THE ENGINEER AND AUTHORITY HAVING JURISDICTION OF THE EVANETIC SITE. 21. THERE ARE NO WELL HEAD PROTECTION AREAS OF COMMUNITY WATER SYSTEM WELLS WITHIN 1000FT OF THE ROADECT AREA 22. THERE ARE NO WELL HEAD PROTECTION AREAS OF COMMUNITY WATER SYSTEM WELLS WITHIN 1000FT OF THE ROADECT AREA 23. THERE ARE NO HISTORICAL RESOURCE SITE LOCATED WITHIN THE PROJECT AREA 23. THERE ARE NO HISTORICAL RESOURCE SITE LOCATED WITHIN THE PROJECT AREA 	EER. ELY TO ASSIST THE OF THE CONDITIONS FWORK. TO CONDUCT NRY TO ARRIVE AT THEIR NIS THAT WILL BE BASED UPON. ED. BUILDINGS ONLY HTECTURALLY HTECTURALLY HE ACCESS POINTS T IN ALL IN ALL BE POSITIONED TO	LE FOR OBTAINING ANY PERMITS COR OWNER. THESE PERMITS MAY GENCIES HAVING, STABILIZED EARTH, TAYS, FENCES, SIGNS, LIGHTS, VITH THE SAME OR BETTER TYPE G THE CONSTRUCTION OR AS SPECIFIC CONDITIONS. BLE FOR FURNISHING ALL FILED FER FOR THE PREPARATION OF SET OF PLANS SHALL BE CTION SITE. FINAL FIELD CENSE SURVEYOR, TEN URNISHED TO THE ENGINEER THE FOLLOWING S THAN 100 % PER	LE FOR COORDINATING ALL WORK LIC OR PRIVATE UTILITIES OJECT LIMITS. SLOPES STEEPER THAN 5:1 AND RAREAS DISTURBED BY RESPONSIBILITY TO MAINTAIN SOD NAMAGE OR OTHER PRIOR TO DAMAGE OR OTHERWISE AFFECT SHOWN ON THE DRAWINGS WERE CUMENTS FURNISHED BY OTHERS, DR SHALL FIELD VERIFY THE IS WHICH MAY BE AFFECTED BY D ACTUAL CONSTRUCTION. THE ED IF A CONFLICT EXISTS BETWEEN ANS. CALL SUNSHINE STATE ONE ORE DIGGING. LL CONSTRUCTION, INCLUDING TE PASCO COUNTY D COUNTY REQUIREMENTS. PORT IS VAILABLE FROM TAMPA CIVIL DESIGN	EVERGED AND THE NATIONAL GEODETIC VERTICAL
	 ALL CONTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE OF FURDIN, "TRENDA SAFETY AND: THE ADMINISTRATION (OSHA), STATE OF FURDIN, "TRENDA SAFETY AND: THE ADMINISTRATION (OSHA), STATE OF FURDIN, "TRENDA SAFETY AND: THE WORK. PVC WASTEWATER GRAVITY PIPE SHALL BE OF MADE OF PVC MATERIA HANING A CELL CLASSIFICATION OF 12545 B, 12446 C OR 13354 B AD DEFINED IN ASTMU 1704. PVC PIPE AND ETITIOS USED IN THE GRAVITY SEWER SYSTEM SHALL MEET REQUIREMENTS OF ASTM D3034. EACH LENGTH OF PVC SANITARY PIPE SHALL BE MARKED WITH THE FOLLOWING INFORMATION: SIZE. MANUFACTURER, PVC SEWER PIPE, ASTM DESIGNATION, MANUFACTURERS CODE, CELL CLASSIFICATION AND APPROVAL UEGBLE DURING (NORMAL HAVEA COTURER, PVC SEWER PIPE, ASTM DESIGNATION, MANUFACTURERS CODE, CELL CLASSIFICATION AND APPROVAL UEGBLE DURING (NORMAL HAVEA CODE AND INSTALLATION, PIPE COLOR SHALL BE GREEN FOR WASTEWATER MAINS. ALL WASTEWATER MAINS SHALL HAVE A MINIMUM OF 36" COVER. 	SYSTEM. AFTER DISINFECTION, THE LINE SHALL BE THOROUGHLY FLUSHED UNTIL WATER SAMPLES SHOW A CHLORINE CONTENT EQUAL TO OR LESS THAN THE EXISTING SYSTEM. SEWAGE COLLECTION TRANSMISSION 1. ALL SANITARY SEWER CONSTRUCTION SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF FGUA / PASCO COUNTY UTILITIES "WATER AND WASTEWATER TECHNICAL STANDARDS" INCLUDING, SHOP DRAWINGS AND BACKFILL, COMPACTION, SCHEDULING OF INSPECTORS AND INSPECTIONS, TESTING, AND RECORDING OF AS-BUILT INFORMATION. THE CONTRACTOR SHALL OBTAIN THE NECESSARY NUMBER OF SETS TO INSURE THAT EACH CREW FOREMAN HAS A SET AVAILABLE AT THE WORKSITE. 2. THE CONTRACTOR SHALL PERFORM A TELEVISION INSPECTION ON ALL GRAVITY SEWERS, AND A PRESSURE TEST ON ALL FORCE MAINS, IN ACCORDANCE WITH FGUA UTILITIES REQUIREMENTS. TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO GOVERNMENT SERVICES GROUP UTILITIES FOR APPROVAL. THE SCHEDULING, COORDINATION, AND NOTIFICATION OF ALL	 WATER MAINS SHALL BE TESTED AS A WHOLE OR IN SECTIONS BETWEEN VALVES. THE MAINS SHALL BE TESTED IN ACCORDANCE WITH SECTION. HYDROSTATIC TESTING. AWAY A GOODET UNDER AN AVERAGE HYDROSTATIC PRESSURE OF NOT LESS THAN 150 POUNDS PER SQUARE INCH FOR A MINIMUM OF 2 HOURS. ALL VALVES SHALL BE TESTED FOR SECURE CLOSURE. ALL PUMPS, GAUGES AND MEASURING DEVICES SHALL BE FURNISHED, INSTALLED AND OPERATED BY THE CONTRACTOR AND ALL SUCH EQUIPMENT AND DEVICES AND THEIR INSTALLATION, SHALL BE APPROVED BY THE CONTRACTOR. AT NO COST TO THE COUNTY, FROM A SOURCE APPROVED BY THE ENGINEER. THE QUANTITY USED. WHICH SHALL BE COMPARED TO THE ALLOWABLE QUANTITY, SHALL BE MEASURED BY PUMPING FROM A CALIBRATED CONTAINER. AGAIN APPROVED BY THE COUNTY INSPECTOR. 10. STERILIZATION AFTER COMPLETION OF PRESSURE TESTING AS DESCRIBED IN LEAKAGE TEST. THE CONTRACTOR SHALL DISINFECT ALL PIPE AND FITTING INSTALLED IN THE SYSTEM, AND RECEIVE THE REQUIRED APPROVALS AND CLEARANCES PRIOR TO PLACING THE SYSTEM IN SERVICE. THE DISINFECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWAYA STANDARD C 661. "DISINFECTING WATER MAINS". AND ALL APPROPRIATE APPROVAL AGENCIES AND THE COUNTY PUBLIC UTILITIES DEPARTMENT "PROCEDURES FOR WATER MAIN FLUSHING, DISINFECTION OF THE ENTIRE TESTING". CARE SHALL BE TAKEN TO PROVIDE DISINFECTION OF THE ENTIRE 	 A. ALL WATER MAIN PIPING SHALL BE PVC MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900. THE PIPE SHALL CONFORM TO THESE STANDARDS: PIPE DIMENSION RATIO (DR) 18, WORKING PRESSURE OF 150 PSI, AND LAVING LENGTH OF 20 FEET. FITTINGS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT WITH A MINIMUM PRESSURE RATING OF 250 PSI, AND SHALL COMFORM TO THE REQUIREMENTS OF ANSI STANDARD A21.10 AND A21.4. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36" COVER. PROVIDE THRUST RESTRAINT IN ACCORDANCE WITH PASCO COUNTY STANDARDS. ALL PVC WATER MAINS SHALL HAVE A SUITABLE ELECTRONIC LOCATOR TAPE BURED APPROXIMATELY ONE FOOT BELOW GRADE OVER THE WATER MAIN THE TAPE SHALL BE CONTINUOUS BETWEEN VALVES AND SECURED TO EACH VALVE. THE TAPE SHALL BE AT LEAST 5 MILS THICK, 2 INCH MINIMUM WIDTH AND MADE WITH AN ALUMINUM MATERIAL SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE. IT SHALL HAVE IMPRINITED IN PERMANENT BLACK INK WITH 1 INCH LETTER "CAUTION WATER MAIN BURED BELOW" ON BLUE BACK. GROUND. TAPES SHALL BE LECTRONICALLY DETECTABLE TAPE. ALL PVC WATER MAIN PIPE SHALL BE LECTRONICALLY DETECTABLE TAPE. ALL PVC WATER MAIN PIPE SHALL BE LECTRONICALLY DETECTABLE TAPE. ALL PVC WATER MAIN PIPE SHALL BE LECTRONICALLY DETECTABLE TAPE. ALL PVC WATER MAIN PIPE SHALL BE FOR WATER MAIN LEGIBLE DURING NORMAL HANDLING, STORAGE AND INSTALLATION. PIPE COLOR SHALL BE BLUE FOR WATER MAINS. HYDROSTATIC AND LEAKAGE TEST 	WATER DISTRIBUTION TRANSMISSION SYSTEM I ALL WATER MAIN CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF FGUA / PASCO COUNTY UTILITIES "WATER AND WASTEWATER TECHNICAL MANUAL", INCLUDING CONSTRUCTION MATERIALS AND METHODS, EXCAVATION AND BACKFILL, COMPACTION, SCHEDULING OF INSPECTORS AND INSPECTIONS, TESTING AND STERILIZATION. I WATER MAIN SHALL BE LOCATED 8' FROM BACK OF CURB UNLESS OTHERWISE INDICATED. I RE HYDRANT ASSEMBLIES INCLUDE MAIN LINE TEE, GATE VALVE, PIPE. FITTINGS, HYDRANT, AND INCIDENTAL ITEMS TO FORM A COMPLETE, WORKING
 CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRER MUST REMAIN BARRICADE OR UNTIL COMMENCENSATION CONSTRUCTION ARE COMPLETED OR UNTIL COMMENCENS ALLOWED WITHIN THE BARRICADE DAREA. 11. ALL SOD ON SITE IS TO BE BAHA GRASS. 12. SOD SHALL BE INSTALLED IN ALL LANDSCAPE BLANDS. BUFFERS AND AREA. 13. IRRGATION SYSTEMS MUST UTILIZE LOW VOLUME DESIGN SUCH AS LOW TRAJECTORY HEADS OR SOMER HOSED TO PROVIDE DIRECT APPLICATION AND LOW EAPORATION. SYSTEMS THAT PAVEMENT NOT ABUTING LANDSCAPE HEALECTORY HEADS OR SOMER HOSED TO PROVIDE DIRECT APPLICATION AND LOW EAPORATION. SYSTEMS THAT OVER SPRAY AREAS THAT DON HEALTON NEED AREAS MUST NOT OVER SPRAY AREAS THAT DON REQUIRE IRRIGATION. SYSTEMS THAT OVER SPRAY AREAS STATAT DON HEIGH IRRIGATION. SYSTEMS THAT OVER SPRAY ALEXES THAT DON RECOURT RENDERATION. SYSTEMS THAT OVER SPRAY ALEXES THAT DON HEIGH IRRIGATION. SYSTEMS THAT OVER SPRAY ALEXES THAT DON VARED RENDED AND AREAS MUST NOT OVER SPRAY LOW MED AREAS. 14. HIGH WATER DEMAND LANDSCAPE AREAS SUCH AS TURF MUST BE SERVED BY A SEPARATE IRRIGATION. SOVE THAN LOW WATER SERVED AREAS. SUCH AS PLANTER BERDS. OR MULCHED AREAS WIGH THE COLOR SOLE ANTED VEGETATION AREA BE MORE THAN SO FROM A WATER SUPPLY HOSE BIB. 15. IRRIGATION SYSTEM MUST BE OPERATED BY AN IRRIGATION CONTROLLES COLES COLES START CAPACITY AND A FLEXIBLE CALENDER PROGRAM ALE TO BE SETTIONS. 16. THE SYSTEM MIST BE COURTED LIVE IN RECATEND ENDING THE SCHEDULES OF HEI HAND OF DIFFERERTIATIONS AREAS COLUMENT ON SENSOR DEVICES ARE ENCOURAGED WHERE APPROPRIATED. GROUND MOISTURE SENSING DEVICES ARE ENCOURTER DEMAND AREAS. COLUMED NOISTURE SENSING DEVICES ARE ENCOURTER OF IHERRATION WATER FOR LANDSCAPING WILL BE COVERNMENT SERVICES GROUP UTILITIES. 	 BLOCKAGE AT TIME OF PLANTING, WITH THE CAPBILITY OF ATTAINING A MIX. HEIGHT OF 3' AND 90% VIEW BLOCKAGE WITHIN 2' YEARS. DURING LAND ALTERATION ACTIVITIES SOLE REOSION SHALL BE CONTROLLED HAY BALES OR SILT SCREEN. UPON COMPLETION OF OF FAND ALTERATION ACTIVITIES, EXPOSED SOL, SHALL SODDED WITH FLORATAM OR AGENTINE ONLY. ALL DISTURED AREA WITHIN THE COUNTY OR DOT RW SHALL BE SODDED WITH BAHIA GRASS. ALL TRIMMING UNDERTAKEN ON A TREET PROTECTED BY THE PROVISIONS OF THE LDC SHALL BE PRUNED IN ACCORDANCE WITH THE ANSI A:300 PRUNING STANDARDS. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOLI DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE COUNTY OR CITY. MMEDIATELY AFTER PLANTING OPERATION ARE COMPLETED, ALL TREES AND SHRUB PITS SHALL BE MULCH FOR THEES SHALL BE THE AREA OF THE PLANTING OPERATION ATHE SITE UNLESS TO ONE PART PEAT. LANDSCAPED AREAS TO RECEIVE AN SIX-INCH LAYER OF COMPACTED TOPSOIL. TOPSOIL USED FOR PLANTING SHALL BE AMXTURE OF THREE PARTS TO ONE PART PEAT. LANDSCAPED AREAS TO RECEIVE AN SIX-INCH LAYER OF COMPACTED TOPSOIL. PROTECTIVE BARRIERS MUST BE INSTALLED AROUND TREES TO BE RRTANED IN AN AREA WHERE THE LAND ALTERATION AND CONSTRU- UCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG MATURAL AREA WHERE SUCH AREA ADJACENT TO PERMITTED LAND ALTERATION OR 	 ALL LANDSCAPE ACTIVITY SHALL MEET THE REQUIREMENT OF APPLICABLE PASCO COUNTY LANDSCAPE ORDINANCE OR CODE, LATEST EDITION LANDSCAPE AREAS SHALL HAVE 100% IRRIGATION COVERAGE TO LANDSCAPE MATERIAL BY PERMANENT UNDERGROUND PIPING SYSTEM. ALL PLANT MATERIAL SAHLL BE FLORIDA GRADE #1 AS PER "GRADES & STANDARDS FOR NURSERY PLANTS" AND SHALL BE WARRANTED FOR A MINIMUM OF 90 DAYS BY THE LANDSCAPE CONTRACTOR. TREES SHALL BE A MIN. HEIGHT OF 6' AND 2" DIAMETER TRUNK AT DBH AT TIME OF PLANTING. HEDGE SHALL BE A MIN. OF 2' AND 50% VIEW 	 MAINTAINED UNTIL ACCEPTANCE BY OWNER, WHEN SOD, PLANT BEDS, GRAVEL AREAS AND THE LIKE ARE INDICATED ON LANDSCAPE DRAWINGS OR SPECIFIED, MAKE ALLOWANCES WHEN ROUGH GRADING FOR THE FINISHED GRADES IN THESE AREAS. a) BORROW: SUITABLE EXCAVATED MATERIAL, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, MAY BE USED FOR GRADING. PROCURE ADDITIONAL MATERIALS, WHERE NECESSARY, FROM BORROW PITS APPROVED BY THE OWNER'S REPRESENTATIVE AND FURNISH AT NO ADDITIONAL COST TO THE OWNER, BORROW MATERIALS SHALL HAVE PLASTIC INDEX OF SIX (6) OR LESS WITH A MAXIMUM OF 20 PERCENT PASSING A 200 SIEVE. b) COMPACTION: AREAS OUTSIDE OF BUILDING AND PAVING LINES SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY (ASSHTO T-180) AT OPTIMUM MOISTURE (ASTM D 1556). 	 NECESSARY TO PROPERLY ACCOMPLISH THIS WORK. UNDERGROUND UTILITIES TO REMAIN FROM DAMAGE. SHOULD ANY UTILITIES BE ENCOUNTERED THAT ARE NOT INDICATED ON THE PLANS NOTIFY THE OWNER'S REPRESENTATIVE. a) DISPOSAL: SURPLUS MATERIAL FROM EXCAVATIONS, TRASH, DEBRIS AND MATERIALS RESULTING FROM CLEARING, GRUBBING, AND OTHER OPERATIONS SHALL BECOME THE PROPERTY OF CONTRACTOR AND SHALL BE DISPOSED OF BY REMOVING FROM THE SITE. b) CLEARING AND GRUBBING: CLEAR AND GRUB TO REMOVE STUMPS, ROOTS, TREES, VEGETATION, ORGANIC MATERIALS, EXISTING PAVEMENT, STRUCTURES AND OTHER OBSTRUCTIONS TO THE WORK, ALL ORGANIC SOLLS OR MUCK SHALL BE REMOVED AND BACKFILLED WITH SUITABLE MATERIALS. STRIP THE TOPSOIL FROM ALL AREAS WITHIN THE LIMITS OF CLEARING AND GRUBBING AND STOCKPILE ON THE SITE. TOPSOIL MAY BE SPREAD OVER AREAS OUTSIDE BUILDING AND PAVING LINES UPON COMPLETION OF ROUGH GRADING. GRADING GRADING GRADE THE SITE TO THE FINISHED CONTOURS INDICATED. IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, CHECK THE LINES AND DRESS TO THE PROPER CONTOURS. ALL AREAS ARE TO BE STABILIZED. THESE AREAS ARE TO BE 	SITE PREPARATION AND EARTHWORK NOTES I. GENERAL 1. GENE
α ¬ σ σ	 OPERATION AND MAINTENANCE USER SUPERATION SHOULD BE REULARLY MOWED, WITH GRASS CLIPPINGS REMOVE FROM THE POND, AND NOTE THAT ANY ERODED BANKS AND BOTTOM SHOULD BE REPARED AND RESODED TO MAINTAIN THE CORRECT VOLUME. ON A MONTHLY OR QUARTERLY BASIS AND FOLLOWING A STORM EVENT, THE POND AND ITS OUTFALL STRUCTURE TO ASSURE THAT SYSTEM IS OPERATING PROPERLY. IF IT IS OBSERVED THAT THE PONDING PERSISTS LONGER THAN 72 HOURS AFTER A NORMAL SUMMER RAIN EVENT, AND F WETLAND VEGETATION SUCH AS CONSTRUCTION PLANS OR CONTACT THE POND BOTTOM, OR MAY CONSIST OF REMOVING THE BOTTOM SEDMENT (APPROXIMATELY THE TOO FOOT OF SOL) AND REPLACING THE SOL WITH CLEAN, POROUS SAND, BACK TO THE PERMITTED BOTTOM ELEVATION, CHECK CONSTRUCTION PLANS OR CONTACT THE DISTRICT FOR MORE INFORMATION, IF ANY CURSTRUCTION PLANS OR CONTACT THE DISTRICT FOR MORE INFORMATION, IF ANY CURSTINUS ARISE. PICK UP GRASS CLIPPINGS AFTER CUTTING. MOW FREQUENTLY ENOUGH TO PREVENT THATCH BULDUP. LIMIT FERTILIZER USE AROUND THE RETENTION POND AND DO NOT FERTILIZE GRASS IN THE POND AREA SO THAT THE FILTERING SYSTEM DOES NOT BECOME OVER DORD BUD STURBED SIDE SLOPE AND ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT AND AND ANY AREAS WHERE GRASS OR SOD HAS BEEN ARDING AND BOT AND AND ANY AREAS WHERE GRASS OR SOD HAS BEEN AND ANY AREAS WHERE GRASS OR SO	6. SIDEWALKS SHALL BE CONSTRUCTED, WHERE SHOWN, IN ACCORDANCE WITH PASCO COUNTY STANDARDS. SIDEWALKS SHALL BE FIVE FEET WIDE AND SIX INCHES THICK WITH 6x6/10x10 WWF, UNLESS OTHERWISE SPECIFIED. COMPACTION UNDER SIDEWALK SHALL BE 96% MAX. DENSITY IN ACCORDANCE WITH AASHTO T99-70.	 PRETATIONS EXPRESSED IN THE REPORT BY THE TESTING LABORATORY. CONTRACTOR SHALL MAKE WHATEVER SUBSURFACE INVESTIGATIONS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO THE ACTUAL FIELD CONDITIONS. 5. TESTING THE OWNER WILL PAY FOR ALL TEST REQUIRED BY PASCO COUNTY EXCEPT THOSE PROVING SATISFACTORY OPERATION OF ALL INSTALLED EQUIPMENT, PRESSURE AND LEAKAGE TEST, AND BACTERIOLOGICAL TESTS, FOR PIPE, STRUCTURES, AND ASPHALTIC MATERIALS. THE MANUFACTURERS OR SUPPLIER'S CERTIFICATE THAT THE MATERIALS. THE MANUFACTURERS OR SUPPLIER'S CERTIFICATE THAT THE MATERIALS MEET THE REQUIREMENTS OF THE OWNER'S REPRE- SENTATIVE. ANY TESTS WHICH HAVE TO BE MADE BECAUSE OF THE FAILURE OF INSTALLED MATERIALS TO MEET SPECIFICATIONS SHALL BE PAID FOR BY THE CONTRACTOR AND COSTS OF ANY SUCH TEST SHALL BE PAID FOR BY THE PAYMENTS DUE THE CONTRACTOR. THE OWNER WILL RETAIN A CERTIFIED ENGINEERING TESTING LABORATORY TO PERFORM ALL MATERIALS TESTING SPECIFIED IN THE TECHNICAL SPECIFICATION AND AS MAY BE REQUIRED BY THE APPORPRIATE GOVERNMENTAL AGENCY HAVING JURISDICTION. THE REQUIRED MATERIALS TESTING IS SUMMARIZED HEREIN ON THE ATTACHED TABLE FOR THE SUBCONTRACTOR TO ENSURE THAT THE REQUIRED TESTING HAS BEEN MADE PRIOR TO COVERING UP ANY OF THE WORK. 	SUBGRADE: THE SUBGRADE SHALL BE IN PLACE SANDS COMPACTED TO 98% IN ACCORDANCE WITH AASHTO T-180, 12" MINIMUM THICKNESS. CONCRETE: DRIVES SHALL BE MINIMUM 6" AND MINIMUM 3,000 PSI. 3. STORM DRAINAGE 1. CONTRACT PREPARATION COMPLETION, ALL CULVERTS ARE TO BE AT GRADE, UNIFORM ALIONMENT, FREE OF DEBRIS AND CLEAN. 1. CULVERT PIPE: PIPE FOR CULVERTS SHALL BE REINFORCED CONCRETE ALL 1. PIPE SHALL BE CLASS III, UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL 1. UNITING HOLES: DRAINAGE STRUCTURES SHALL BE CONSTRUCTED OF REINFORCED CONCRETE COMPLETE WITH FRAME AND COVERS. 1. REPORT OF SUBSURFACE CONDITIONS 1. REPORT OF SUBSURFACE CONDITIONS 1. REPORT OF SUBSURFACE CONDITIONS 1. REPORT OF THE SOLLS INVESTIGATIONS REPORT IS AVAILABLE FROM TAMPA CIVIL DESIGN PO BOX NO. 1787 LUTZ, FL 33548-1787	PARING AND DRAINAGE CONSTRUCTION DRAINAGE CONSTRUCTION NOTES 1. GENERAL ALL WORKMANSHIP, MATERIALS, AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT ENGLISH EDITION, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION AND PASCO COUNTY LAND DEVELOPMENT CODE, LATEST EDITION. 2. STREET PAVING

<u>H.R.S.</u> STANDARD SEPARATION STATEMENT FOR WATER/SEWER CONFLICTS

SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS SHOULD ALWAYS CROSS UNDER WATER MAINS, SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INSHES BETWEEN THE INVERT OF THE JPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE.

WHERE SANITARY SEWERS, FORCE MAINS AND STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED.) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE LEAK FREE, AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING.

WHERE THERE IS NO ALTERNATIVE TO SEWER PIPES CROSSING OVER THE WATER MAIN, THE CRITERIA FOR MINIMUM SEPARATION OF 18 INCHES BETWEEN LINES AND 10 FEET BETWEEN JOITS SHALL BE REQUIRED.

ALL CROSSING SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).

. A MINIMUM 10 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS ABOVE.

IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.

PROJECT:

WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARELLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP (IF AVAILABLE IN THE SIZE PROPOSED) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).

ALL DIP SHALL BE CLASS 50 OR HIGHER. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED.

PASCO COUNTY TYPICAL O COUNTY TYPICAL (STANDARD) FIRE PROTECTION NOTES

- ₽ > . PROJECTS MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINACE NO. 5
- FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
- <u>0</u> PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
- D PER NFPA-1, 18.3.4.1; CLEARANCE OF 7 1/2 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A FOUR-FOOT CKEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.

CLIENT:

Ш GATED ENTRIES REQUIRE A SIREN OPERATING SYSTEM OR A 3M OPTICOM SYSTEM FOR EMERGENY ACCESS.

TAMPA CIVIL DESIGN

PO BOX NO. 1787 LUTZ, FL 33548-1787 (813) 406-5685 PHONE (813) 482-9128 FAX WWW.TAMPACIVIL.COM

WEST PASCO LOT 51 LOT 51 PROSPEROUS DRIVE *NEW PORT RICHEY, FL 34655 S-T-R 29/26S/17E*

LIGHTNING SPECIALISTS, INC 4757 BELDEN CIRCLE PALM HARBOR, FL 34685

2-23-2010 7-14-2010 9-1-2010

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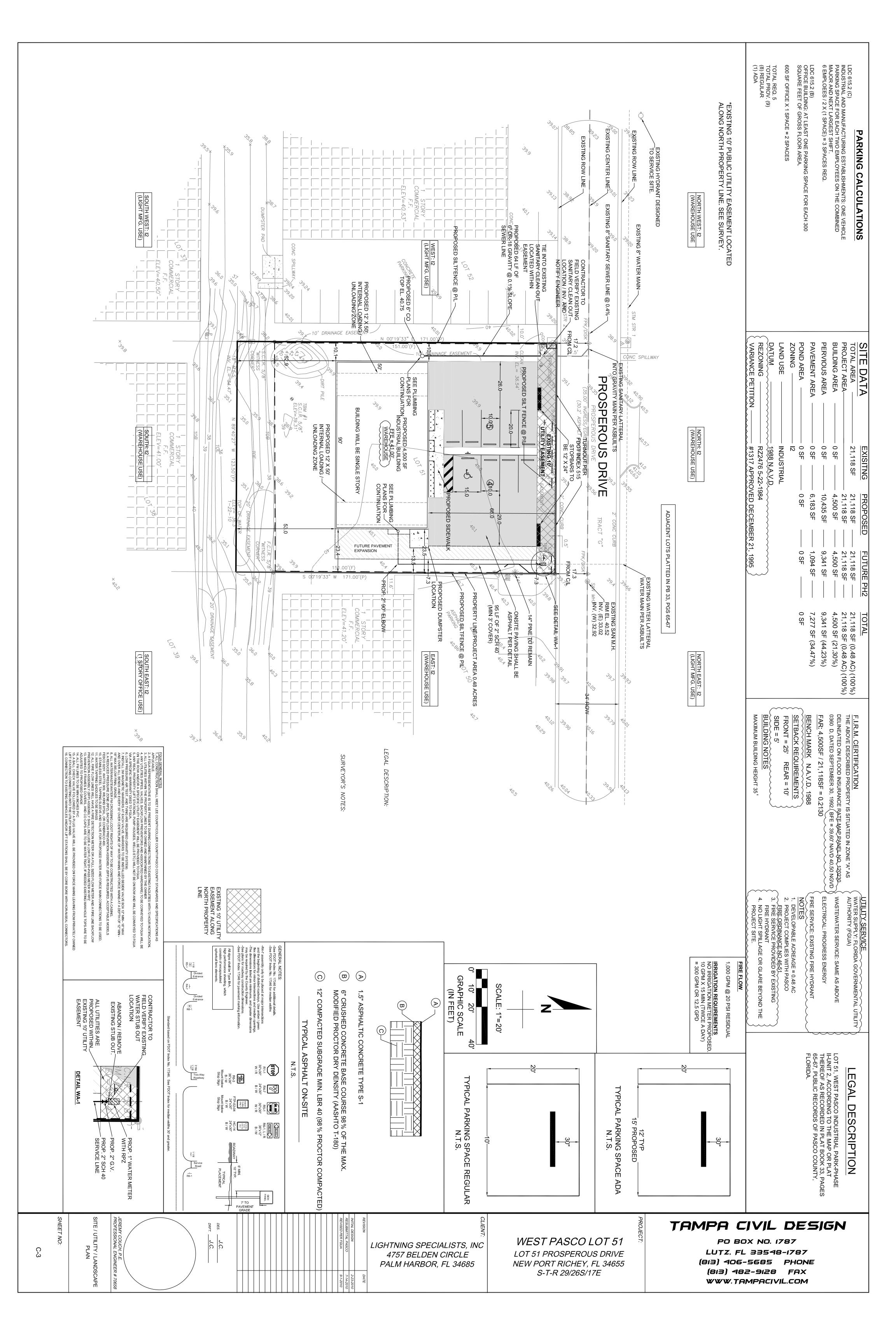
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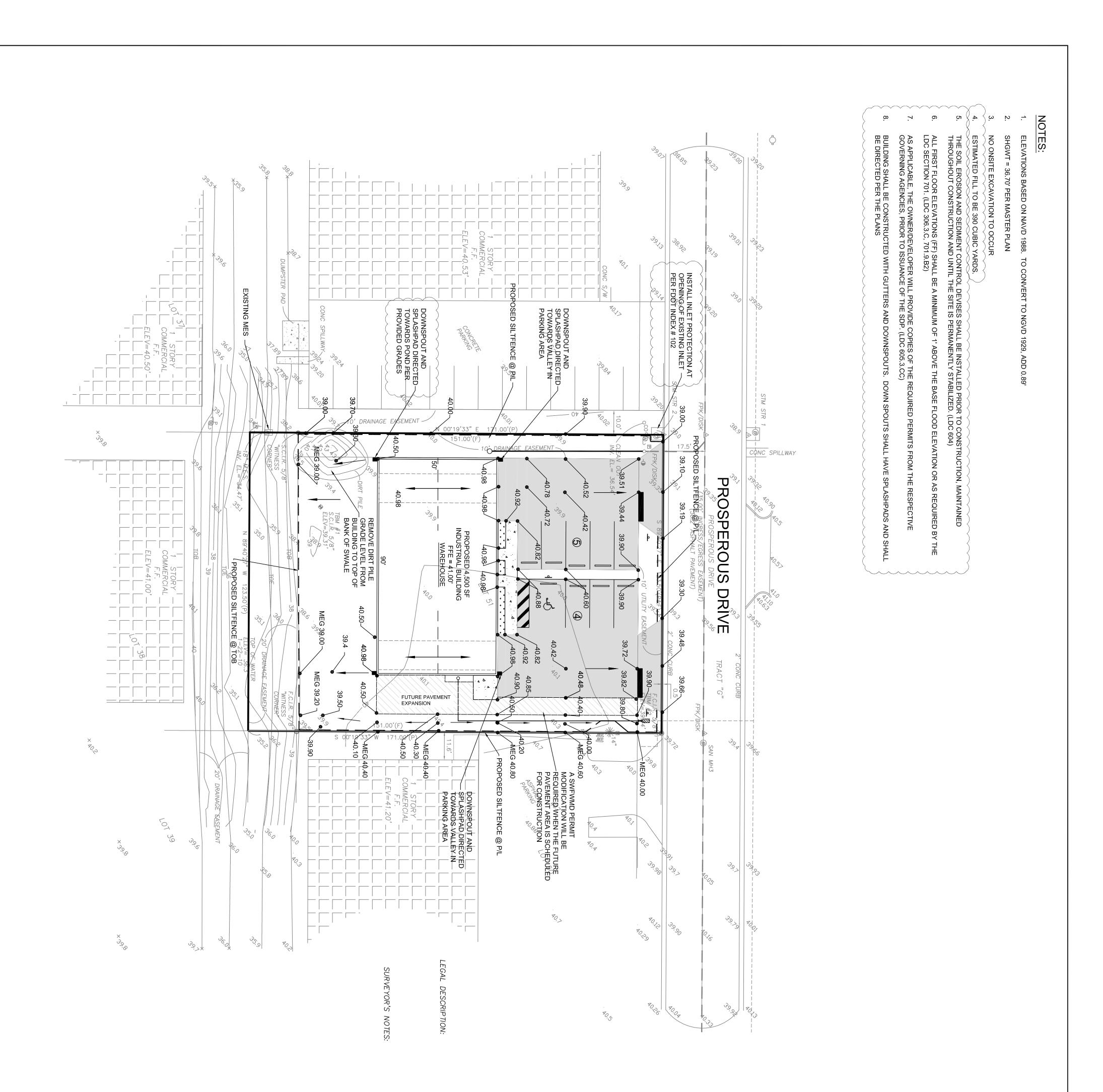
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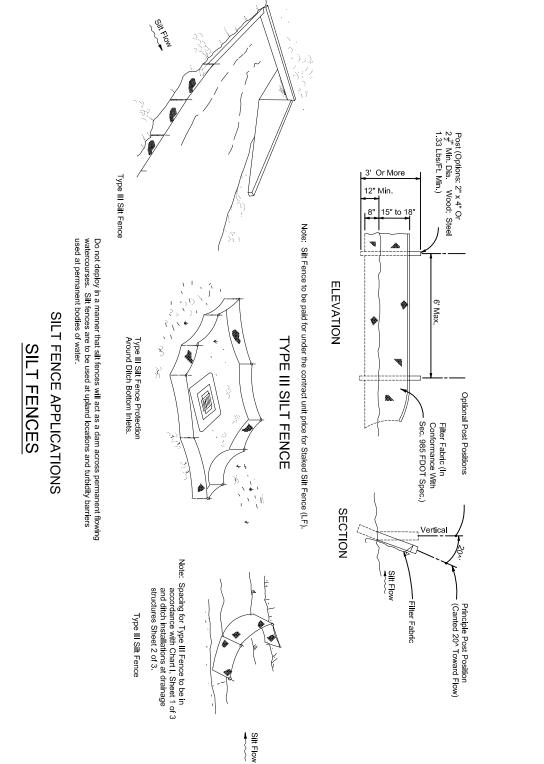
JEREMY COUCH, P.E. PROFESSIONAL ENGINEER #

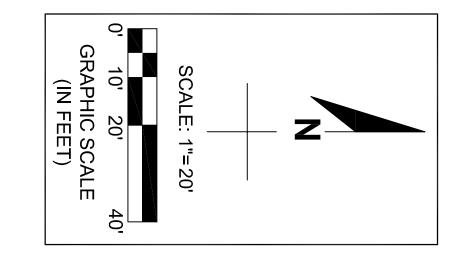
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GENERAL NOTES

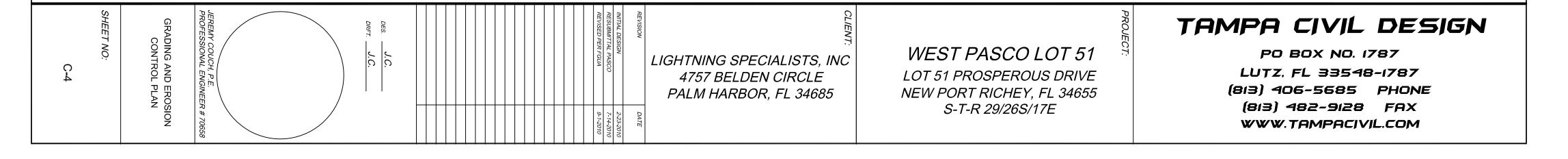






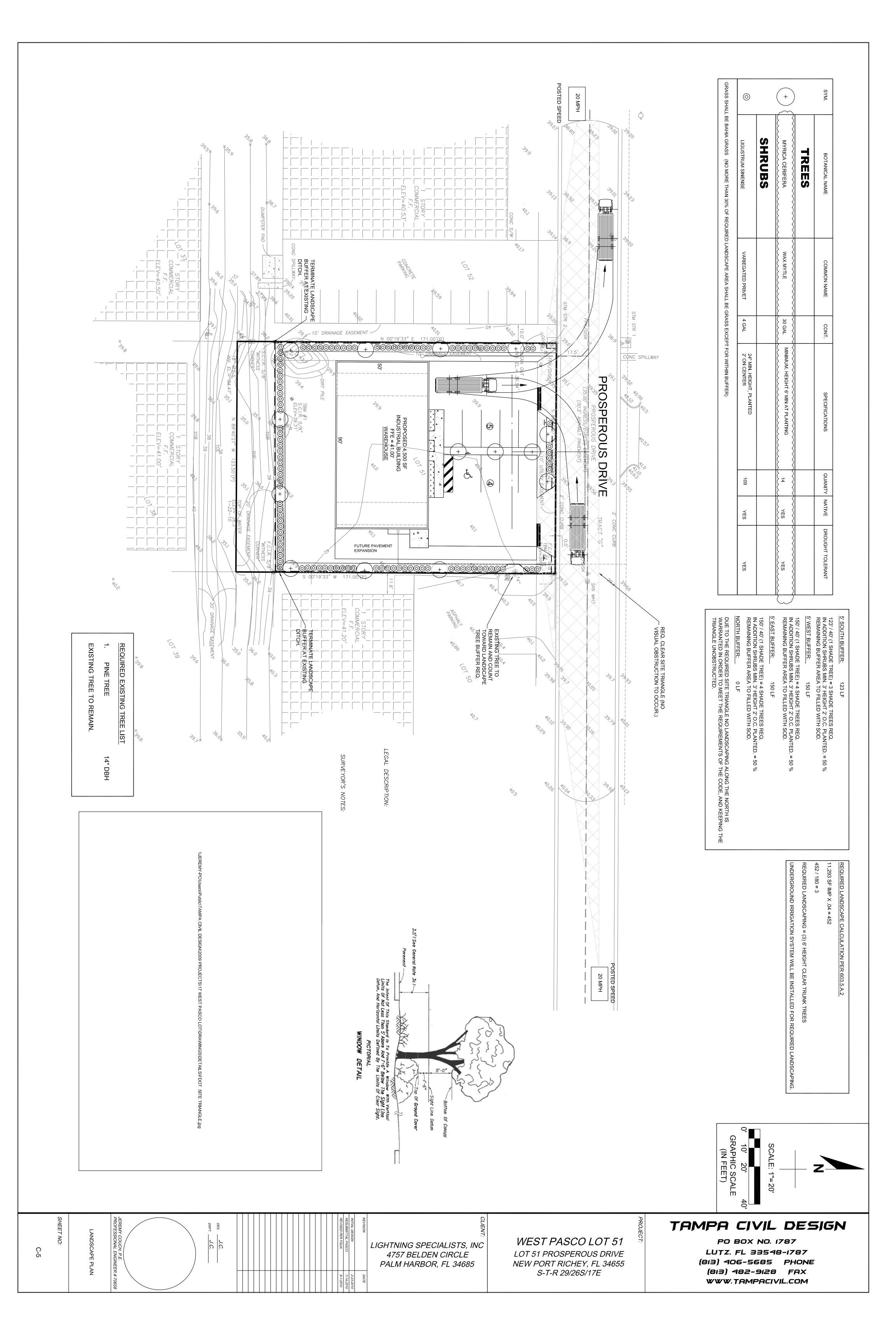


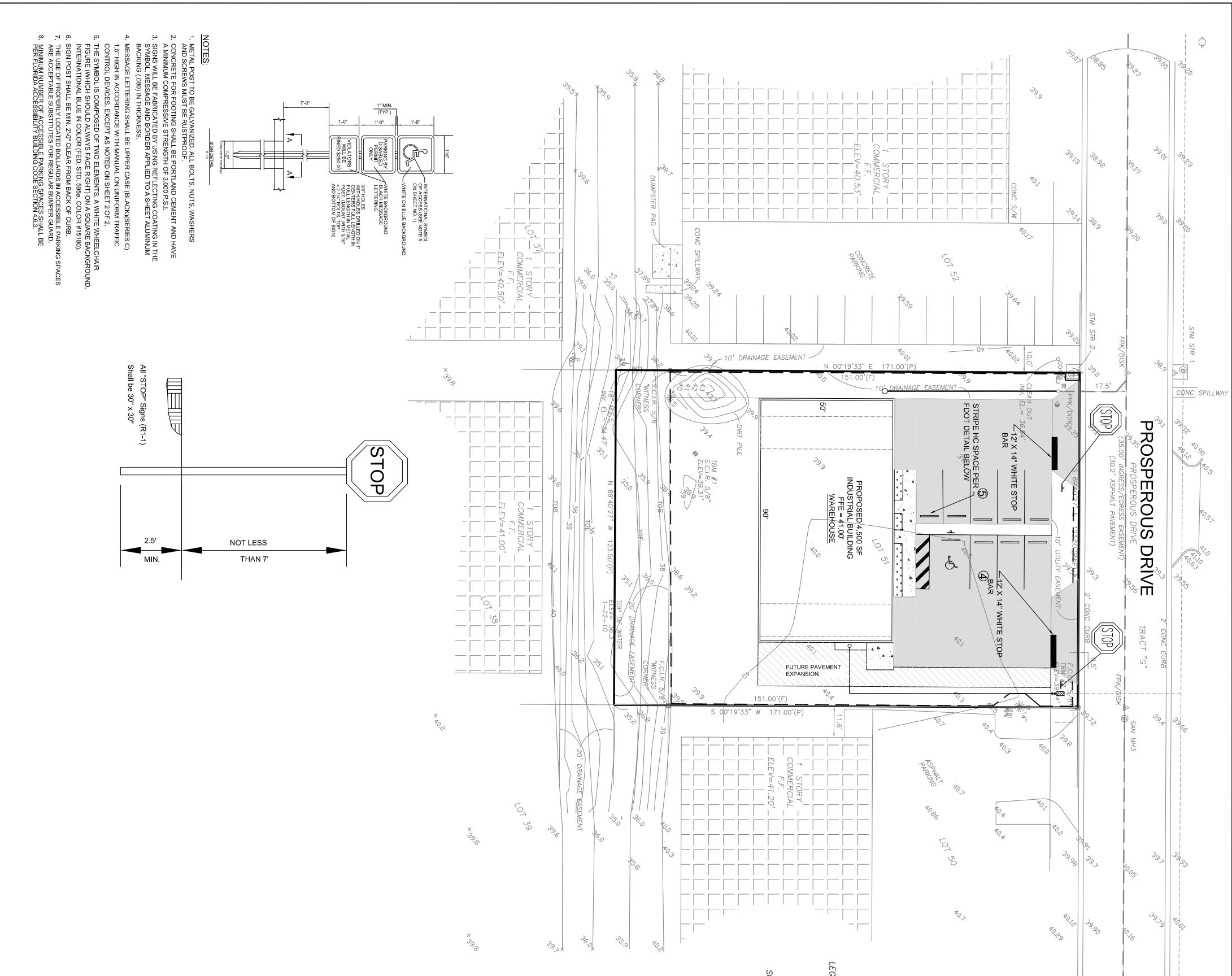
1. SOD ALL SLOPES AND DISTURBED AREAS IMMEDIATELY.	
C. CONSTRUCTION CLOSE-OUT:	
2. CHECK SILT SCREEN AND TURBIDITY BARRIER DAILY AND AFTER A RAINFALL REINSTALL THE SILT SCREEN AND TURBIDITY BARRIER IF REQUIRED.	
 INSTALL THE SEDIMENT BASIN AND TRASH RETAINER TO PREVENT TRANSPORT OFF SITE IN ACCORDANCE WITH FDOT STANDARD INDEX 101. 	
B. DURING CONSTRUCTION:	
2. THE CONTRACTOR MUST CLEAN THE ROAD DAILY FOR DIRT AND CONSTRUCTION DEBRIS.	
 THE CONTRACTOR MUST PROVIDE STAKED SILT SCREEN AROUND THE ENTIRE PROPERTY BOUNDARY. THE STAKED SILT SCREEN MUST BE INSTALLED STRICTLY AS PER FDOT STANDARD INDEX NO. 102. 	
A. PRIOR TO INITIATING THE CONSTRUCTION ACTIVITIES:	
CONSTRUCTION SURFACE WATER MANAGEMENT FOR LOT 51 WEST PASCO	
	7



N

REMOVE SILT SCREEN AFTER ALL THE SLOPES ARE ESTABLISHED.







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DESIGN PER FEDERAL MANUAL ON UNIFORM TRAFFIC DEPARTMENT OF TRANSPORTATION STANDARDS. ALL OFFSITE SIGNAGE IS EXISTING.

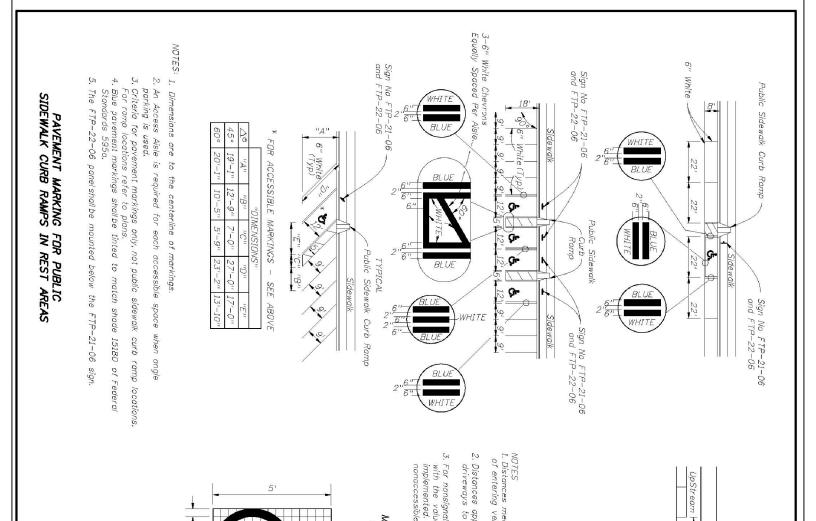
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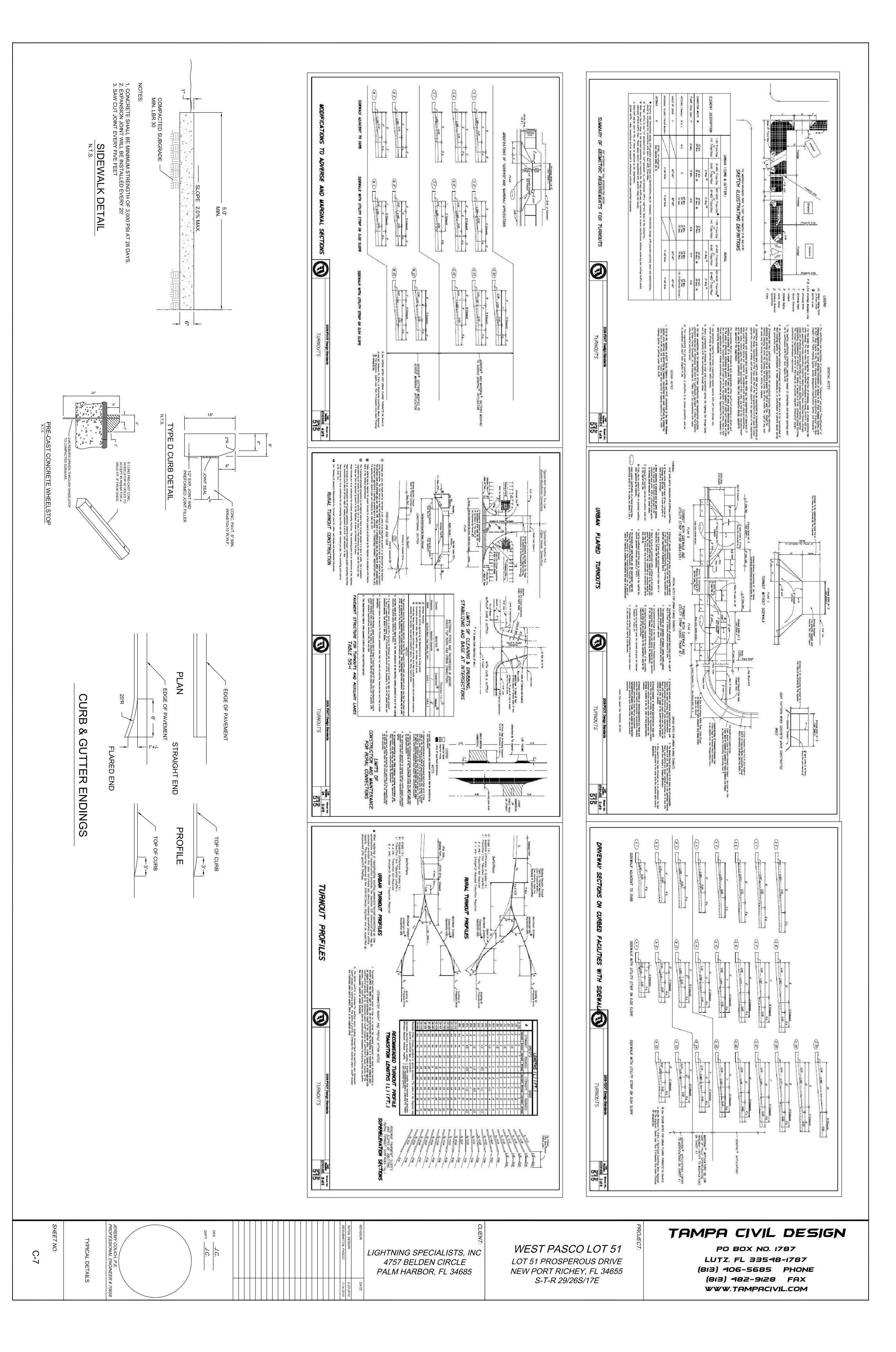
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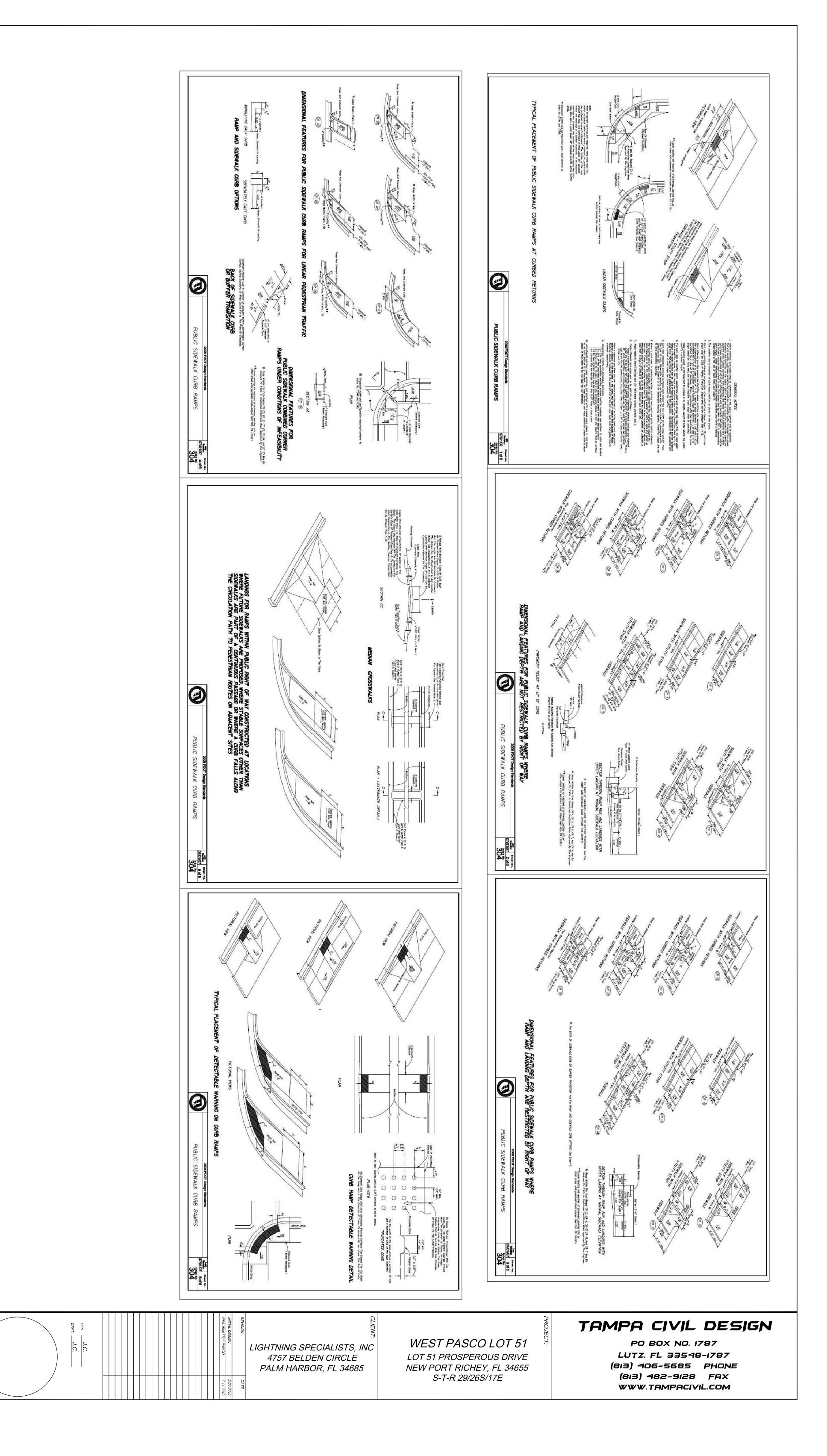
LEGAL DESCRIPTION:

SURVEYOR'S NOTES:



	UNIVERSAL SYMBOL OF ACCESSIBILITY	4" 4.53 s.f. Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.	100' 70' of parking restriction. or parking restriction. cractical. iterisections and a ictions apply to both a ictions apply to both a	SPEED UP STREAM (A) DOWN STREAM (B) MPH UP STREAM (A) 2 LANE 4 LANE 0-30 85' 60' 45'			CONTROL DEVICES AND FLORIDA
AREAS (PARNING)	MINIMUM PARKING RESTRICTION FOR SIGNALIZED INTERSECTION 0 FDOT Design Standards Revision Sheet No. 07/01/09 12 of 14	SPEED LIMIT STGNALIZED MPH DISTANCE FROM JOINTONS 0-30 30' DISTANCE FROM CURB RADIUS (Y) JSARKING RESTRICTION (FL) FOR SIGNALIZED INTERSECTION CURB RADIUS (Y) 1. Parking restrictions measured from curb radius point. 1. Parking restrictions measured from curb radius point. 2. Restrictions for accessible parking are the same as those applied to nonsignalized intersections. 3.	Vellow Curb (Optional)	GENERAL NOTES (Signalized & Nonsignalized) 1. For entrances to a one-way street, the downstream restriction may be reduced to 20'. 2. Parking shall not be allowed within 20' of a crosswalk. 3. All parking lane markings shall be 6" white. 4. Parking lane lines shall be broken at driveways. 5. Refer to Chapter 316, Fla. Statutes, for laws governing parking spaces. 6. Where curb and gutter is used, the gutter pan width may be included as part of the minimum width of parking lane, but desirably the lane width should be in addition to that of the gutter pan. TYPE I			SCALE: 1"= 20' O' 10' 20' 40' GRAPHIC SCALE (IN FEET)
C-6	SHEET NO:	JEREMY COUCH, P.E. PROFESSIONAL ENGINEER # 70658 SIGNAGE AND MARKING PLAN	DES. <u>J.C.</u> DRFT. <u>J.C.</u>	INITIAL DESIGN 2-23-2010 RESUBMITTAL PASCO 7-14-2010 REVISED PER FGUA 9-1-2010 Image: State St	REVISION LIGHTNING SPECIALISTS, INC 4757 BELDEN CIRCLE PALM HARBOR, FL 34685	WEST PASCO LOT 51 LOT 51 PROSPEROUS DRIVE NEW PORT RICHEY, FL 34655 S-T-R 29/26S/17E	TAMPA CIVIL DESIGN PO BOX NO. 1787 LUTZ, FL 33548-1787 (813) 406-5685 PHONE (813) 482-9128 FAX WWW.TAMPACIVIL.COM





SHEET NO:

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JEREMY CO PROFESSIO

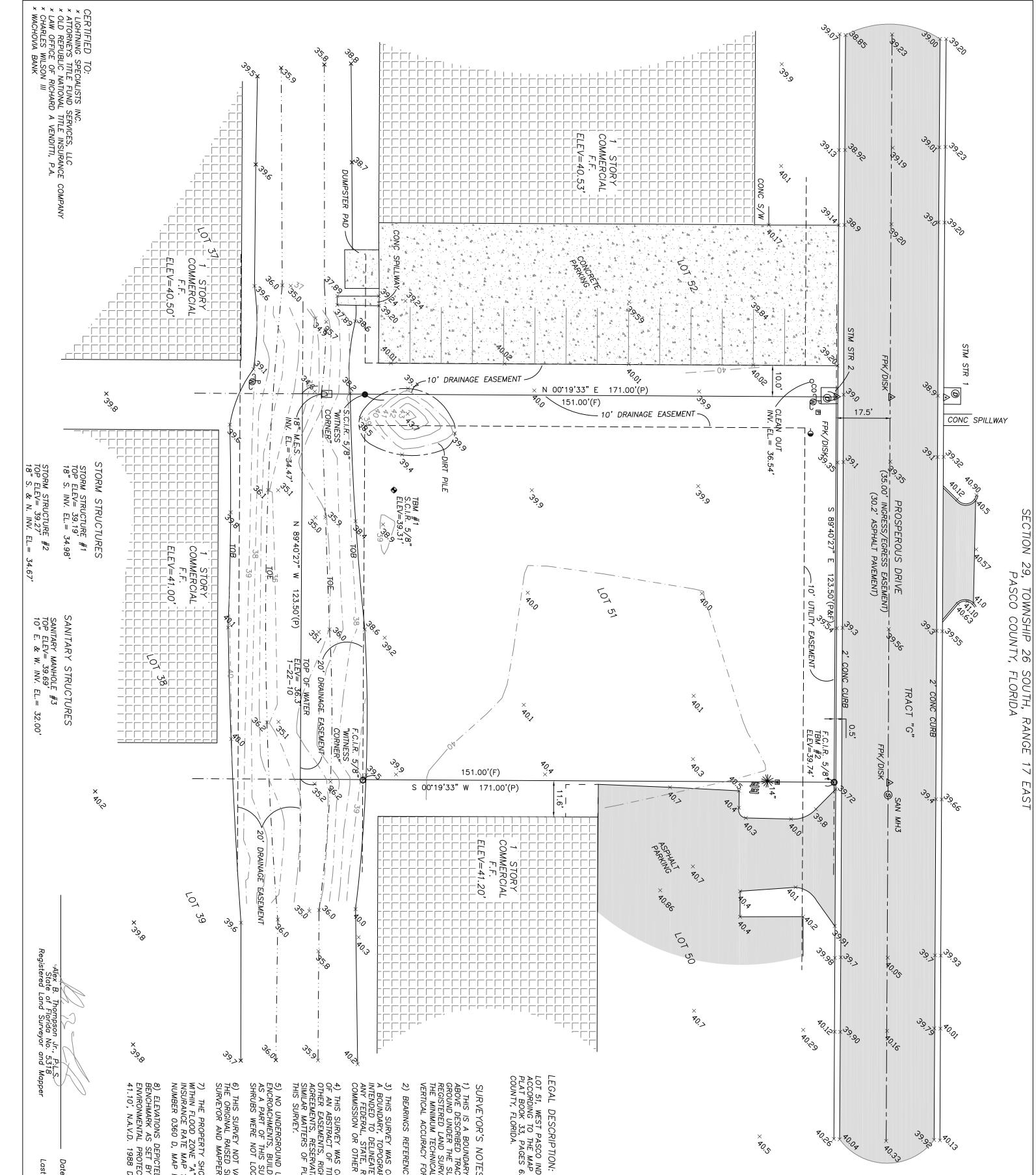
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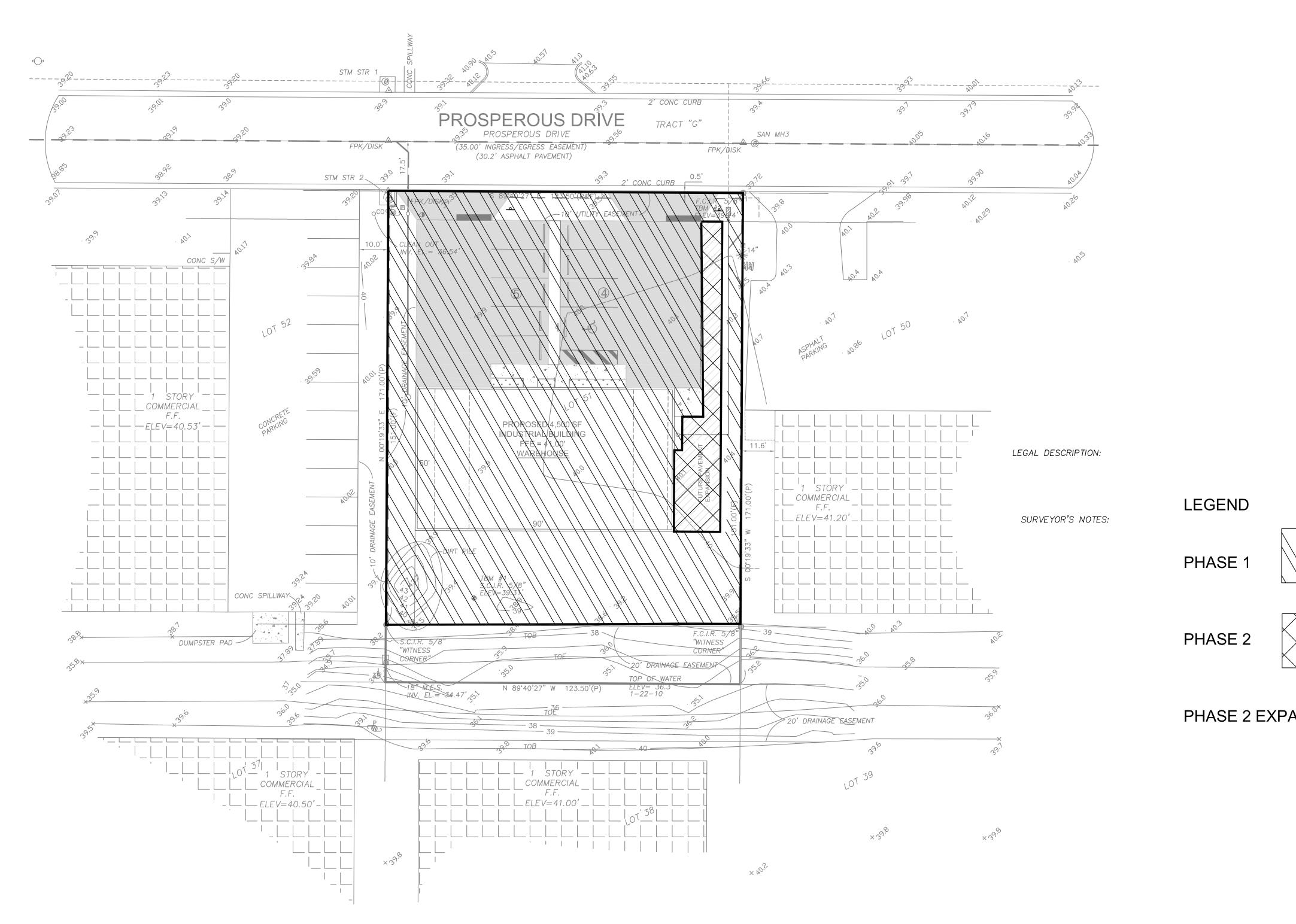
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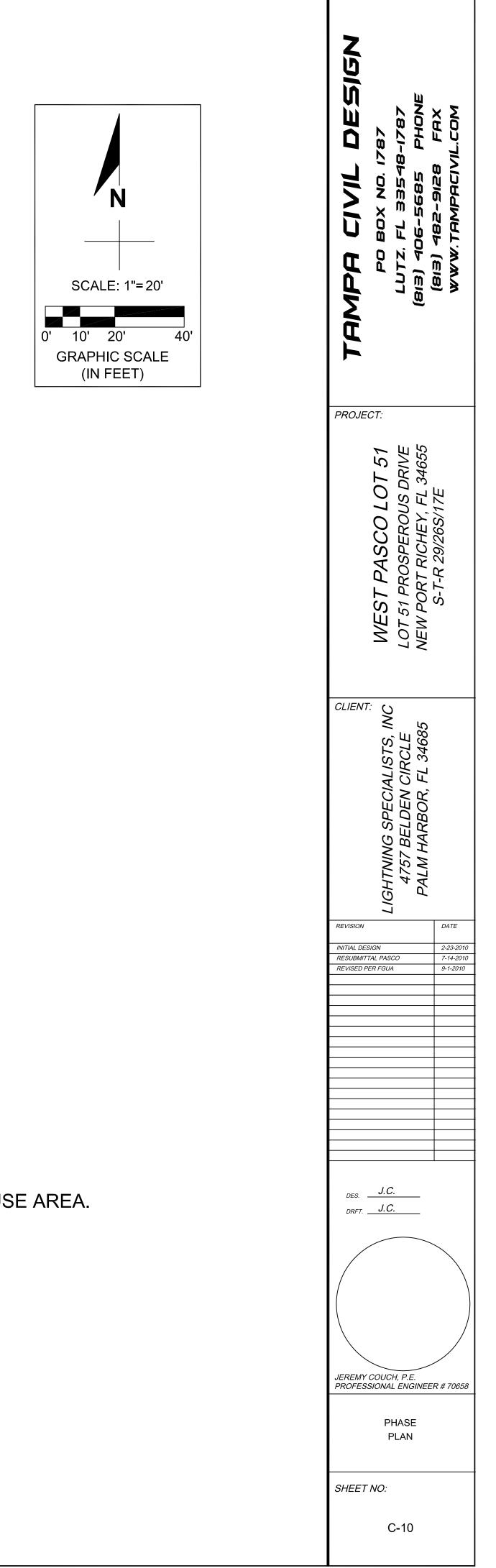
TYPICAL DETAILS

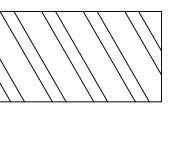


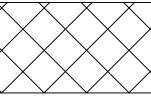
SECTION 17 EAST

SURVEY, UNLESS OTHERWISE SHOWN. LOCATED, UNLESS OTHERWISE SHOWN. LOCATED, UNLESS OTHERWISE SHOWN. LOCATED, UNLESS OTHERWISE SHOWN. VALID WITHOUT THE SIGNATURE AND SEAL OF A FLORIDA LICENSED P 120230, COMMUNITY PANEL P 120230, COMMUNITY P 120230, COMMUNITY	N: N: N: N: N: N: N: N: N: N:	& LEGEND & ABBRE VIA TIONS ■ PHONE BOX □ CABLE BOX □ CUNDERGROUND CABLE MARKER ■ WATER VALVE F.C.I.R. FOUND CAPPED IRON ROD F.P.K. FOUND CAPPED IRON ROD F.P.K. FOUND MAIL & DISK (F) FIELD MEASUREMENT CONC. CONCRETE EP EDGE OF PAVEMENT LB LICENSED BUSINESS OHW OVERHEAD WIRE TOD_ POWER POLE WDF WOOD FENCE WDF WOOD FENCE	1"= 20
	BOUNDARY & TOPOGRAPHIC SURVEY		XTREME SURVEYING OF FLORIDA, IN LB No. 7425 29340 RHODIN PLACE WESLEY CHAPEL, FLORIDA 33545 EX REM
KMR KMR ED BY: ABT ABT ABT CHIEF: AT 1-22-10 -100-06 -100-06 -100-06 -100-06	LOT 51 WEST PASCO INDUSTRIAL PARK PHASE II–UNIT 2	1 add offsite elevations 2–18–10 abt No. DESCRIPTIONS DATE BY F REVISIONS	WESLEY CHAPEL, FLORIDA 33545 EX TREM PH. (813) 973–2092 FAX. (813) 973–2122 EMail: alex@extreme-surveying.com ROFESSIONAL SURVEYING AND MAPPING SERVICE









PHASE 2 EXPANDED VEHICULAR USE AREA.